

Appl. No.09/893,033

Amdt. Dated June 2, 2005

Reply to Office Action of February 7, 2005

Docket No.: 100/00-01

**BEST AVAILABLE COPY****Amendments to the Specification**

Please delete the abstract on page 55, lines 3-13, and replace it with the paragraph on the substitute sheet in Appendix A.

Please delete the paragraph on page 40, lines 9-19, and replace it with the following paragraph:

The promoter and transit sequence from the *Arabidopsis* AHAS large subunit was chosen to be fused to the *Synechocystis* AHAS large subunit gene, as there was a large degree of homology. The ~~Arabidopsis~~ *Arabidopsis* genome has been sequenced and the physical and sequence information for AHAS large subunit can be found at the website provided by the Arabidopsis Information Resource.

~~<http://www.arabidopsis.org/servlets/mapper?value=CSR1&action=search>~~. One skilled in the art could use the information at this database to perform the cloning as follows. The final result would contain the ~~promoter~~ promoter and transit sequence of the ~~Arabidopsis~~ *Arabidopsis* AHAS gene, followed by the *Synechocystis* gene, followed by the ~~Arabidopsis~~ *Arabidopsis* terminator. The source of the promoter and transit sequence was the construct pAC753, (which consisted of a vector and an insert with a genomic fragment containing the *Arabidopsis* AHAS promoter, transit sequence, coding region, and terminator.)